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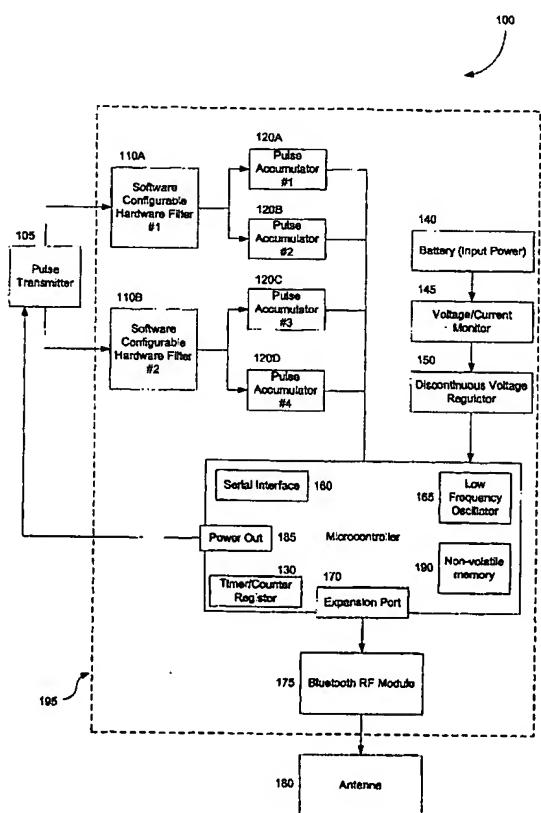
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(54) Title: WIRELESS DATA COLLECTION UNIT FOR FUEL MANAGEMENT SYSTEM



(57) Abstract: An electronic fueling data acquisition and wireless communications delivery system. The unit is mounted on portable fueling carts and is hardwired to an external pulse transmitter. The pulse transmitter transmits pulse signals proportional to the volume of fuel that is being pumped. A software configurable hardware filter attenuates the input signal which is then counted by a pulse accumulator. When fueling ceases, the application software determines the total volume of fuel by subtracting the current pulse reading from the initial pulse reading that are maintained by the unit. The information can then be wirelessly communicated to other devices without the need for maintaining paper hard copies.

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